

Y-12 PLANT QUARTERLY REPORTS (1953-1955 all; 1952,56,59,63- one quarter only)

<u>M no.</u>	<u>Date</u>	<u>% over 0.1 mg/m³ (N)</u>			<u>EFPC (mg/L)</u>				
		<u>yr/quarter</u>	<u>Y-12</u>	<u>B4</u>	<u>A2</u>	<u>9202</u>	<u>A5</u>	<u>A4</u>	
	(52-1)		20*						
	(52-2)		14*						
	(52-3)		34*						
M-24	52-4		48						
M-25	53-1	20 (3248)							
M-26	53-2	31 (3266)						0.13	
M-27	53-3		33 (58)		33 (1752)	63 (963)		0.21	
M-28	53-4		19 (841)		9 (30)	99 (1144)		1.07	
M-29	54-1	--	16 (1068)	--		73 (1435)		0.20	
M-30	54-2	2 (60)	21 (1136)	--		24 (227)		0.20	
M-31	54-3	--	--	--		--		--	
M-32	54-4	-- (0)	18 (1204)		78 (9)	--	--	0.18	
M-33	55-1	2 (40)	26 (803)		65 (40)	0 (54) 77 (421)		0.61(0.74)##	
M-34	55-2	11 (1022)	34 (692)		37 (2242)	0 (0) 50 (719)	42(2011)	1.81(1.75)##	
M-35	55-3	24 (2282)	35 (271)		22 (2553)	-- 74 (211)	76(16212)	1.26(1.06)##	
M-36	55-4	26 (1000)	18 (735)		44 (2930)	-- 48 (175)	74(17950)	0.75(0.70)##	
			<u>avg A5 (mg/m³)</u>			<u>avg A4 (mg/m³)</u>			
			A	M	J	J	A	S	
M-38	56-2	19 (87942)	0.07	0.08	0.08	0.04	0.04	0.04	0.66
			<u>% over 0.1 mg/m³</u>			<u>% over 0.1 mg/m³</u>			
			28	26	27	4	5	5	
			<u>avg A5 (mg/m³)</u>			<u>avg A4 (mg/m³)</u>			
			A	M	J	J	A	S	
M-19	56-3	18 (86126)	0.08	0.07	0.06	0.05	0.04	0.03	1.53
			<u>% over 0.1 mg/m³</u>			<u>% over 0.1 mg/m³</u>			
			30	30	21	6	3	2	

* = cited in 4Q52 report (1st of the series)

= number which was corrected from subsequent quarter's report (no explanation given)

1stQ 1955- 27% of Hg urine samples over 0.3 mg/L this quarter (has been less than 10%)

2ndQ 1955- 22% of Hg urine samples over 0.3.

3rdQ 1955- 32% over.

4thQ 1955- 26% over.

1stQ 1956- 30% over.

2ndQ 1956- 26% over. The average daily creek flow for EFPC was 10.8 million gals/day.

3rdQ 1956- 14% over. The average daily creek flow for EFPC was 11.3 million gals/day .

M-14 3rdQ 1959- none

M-15 2ndQ 1963- The detection limit for X-ray fluorescence is 0.5 µg/g Lithium. The detection limit for the dithizone method is 0.02 µg/g Li.